

# ALABAMA

## Science and Engineering Profile

	Alabama	U.S.	Rank		Alabama	U.S.	Rank
Doctoral scientists, 1993	4,402	430,332	28	Total R&D performance, 1993 (millions)	\$1,967	\$161,427	21
Doctoral engineers, 1993	1,228	81,293	20	Industry R&D, 1993 (millions)	\$833	\$117,622	25
S&E doctorates awarded, 1995	253	26,482	30	Academic R&D, 1994 (millions)	\$296	\$20,573	25
of which, in life sciences	39%	24%		of which, in life sciences	67%	55%	
in engineering	22%	23%		in engineering	17%	16%	
in psychology	12%	13%		in physical sciences	8%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	405	36,143	24	expenditures, 1993 (millions)	\$2,715	\$163,994	21
S&E graduate students, 1994				Number of SBIR awards, 1990-94	277	18,023	17
in doctorate-granting institutions	6,383	438,694	22	Patents issued to state residents, 1995	282	55,717	33
Population, 1995 (000s)	4,253	262,755	22	Gross state product, 1992 (billions)	\$78.1	\$5,994.1	24
Civilian labor force, 1995 (000s)	2,062	132,281	23	of which, agriculture	2%	2%	
Personal income per capita, 1995	\$18,781	\$22,788	42	manufacturing, mining, construction	27%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures, 1995 (millions)	\$22,719	\$1,326,294	19	wholesale and retail trade	15%	16%	
R&D obligations, 1994 (millions)	\$1,818	\$65,654	13	finance, insurance, real estate	14%	18%	
				services	16%	20%	
				government	16%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

### Federal Obligations for Research and Development in Alabama by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	1,818,354	775,544	0	833,531	181,735	23,463	4,081	13
<b>Department of Agriculture</b>	16,133	4,637	0	0	11,388	0	108	30
<b>Department of Commerce</b>	1,034	558	0	15	421	0	40	35
<b>Department of Defense</b>	844,263	435,053	0	387,600	20,107	1,503	0	13
<b>Department of Energy</b>	19,575	0	0	17,000	2,575	0	0	26
<b>Dept. of Health &amp; Human Services</b>	132,044	0	0	1,474	111,047	18,928	595	21
<b>Department of the Interior</b>	8,837	7,117	0	535	1,185	0	0	21
<b>Department of Transportation</b>	3,416	1,231	0	737	159	0	1,289	30
<b>Environmental Protection Agency</b>	5,810	0	0	3,366	420	0	2,024	17
<b>Nat'l Aeronautics &amp; Space Admin.</b>	776,532	326,948	0	422,674	23,973	2,912	25	4
<b>National Science Foundation</b>	10,710	0	0	130	10,460	120	0	34
<b>State rank</b>	13	5	na	10	20	19	18	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.